

$\alpha$ -D-Neup-(2 $\rightarrow$ 8) - $\alpha$ -D Neup -(2 $\rightarrow$ 8) - $\alpha$ -D-Neup (2 $\rightarrow$ 3)- $\beta$ -D -Galp-(1 $\rightarrow$ 4)- $\beta$ -D-GlcpNAC-(1 $\rightarrow$ 6)  $\left\{ \begin{array}{l} -\beta$ -D-Galp-(1 $\rightarrow$ 4)- $\beta$ -D-Galp-(1 $\rightarrow$ 4)  $\left\{ \begin{array}{l} -\beta$ -D Galp-(1 $\rightarrow$ 4)  $\left\{ \begin{array}{l} -\beta$ -D-GlcpNAC-(1 $\rightarrow$ 3)  $\left\{ \begin{array}{l} -\beta$  D GlcpNAC-(1 $\rightarrow$ 3)- $\beta$ -D Galp-(1 $\rightarrow$ 3) - $\beta$  GalpNac-S) \\ - $\alpha$ -L Fucp-(1 $\rightarrow$ 3)  $\left\{ \begin{array}{l} -\alpha$ -L Fucp-(1 $\rightarrow$ 3)

Fig. 1

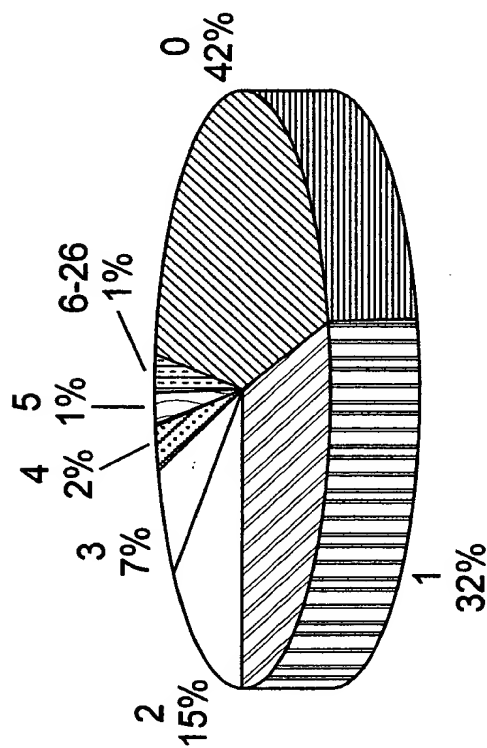


Fig. 2

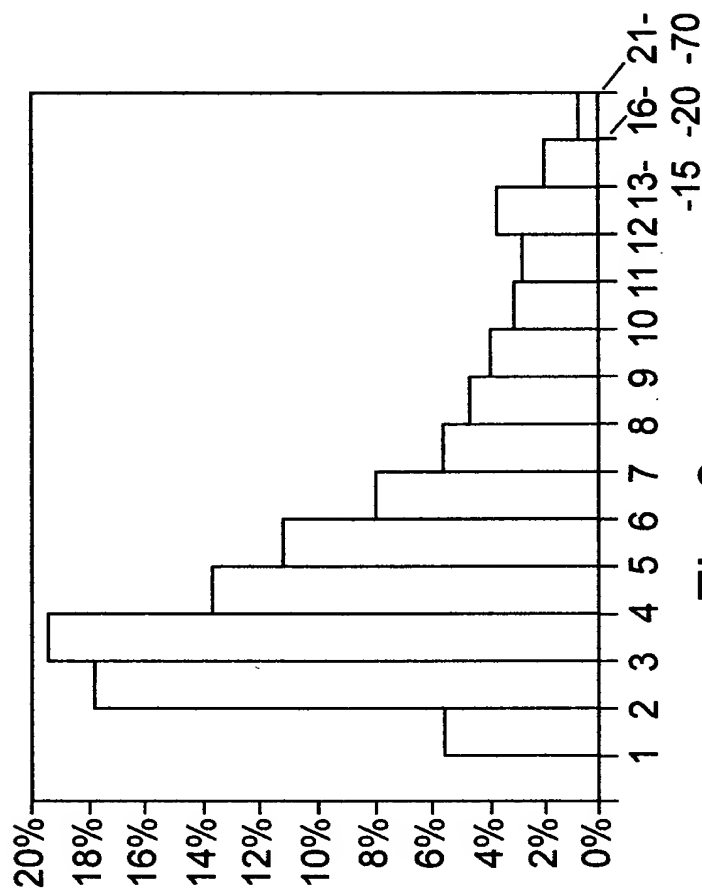


Fig. 3









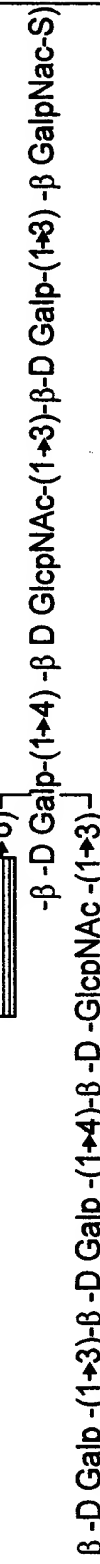
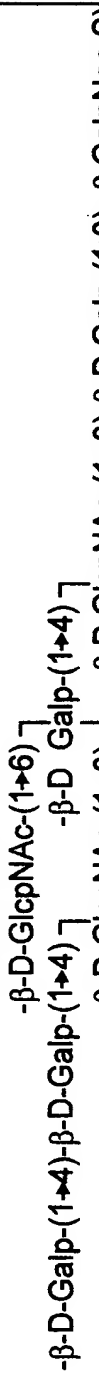
ER	Complex carbohydrate formation
Step 1	
Step 2 D5	
Step 3 H1	
Step 4 D7	
Step 5 H3	
Step 6 D7	
Step 7 D3	
Step 8 H14	
Step 9 B2	
Step 10 D7	

Fig. 4

Figure 5a

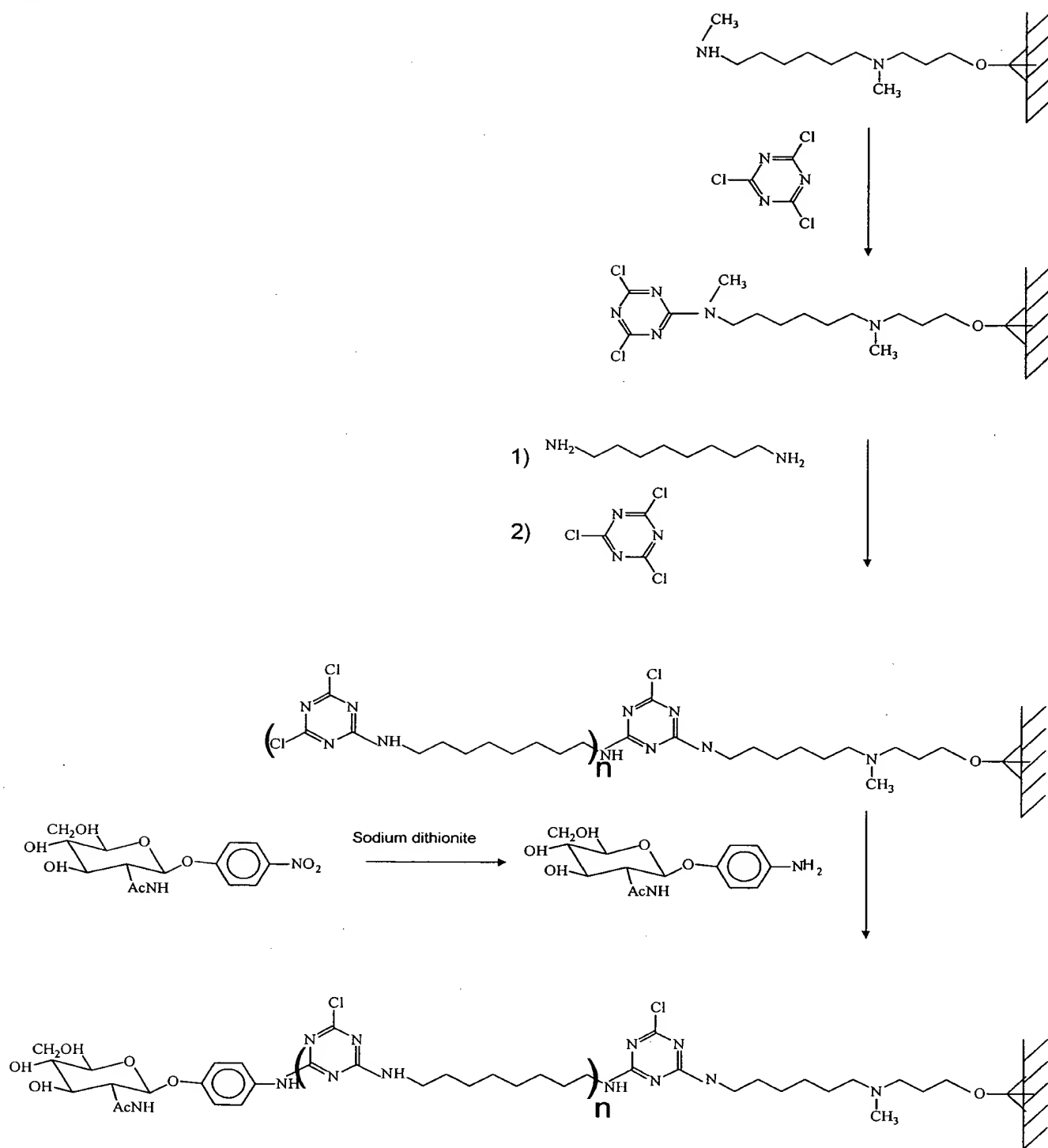
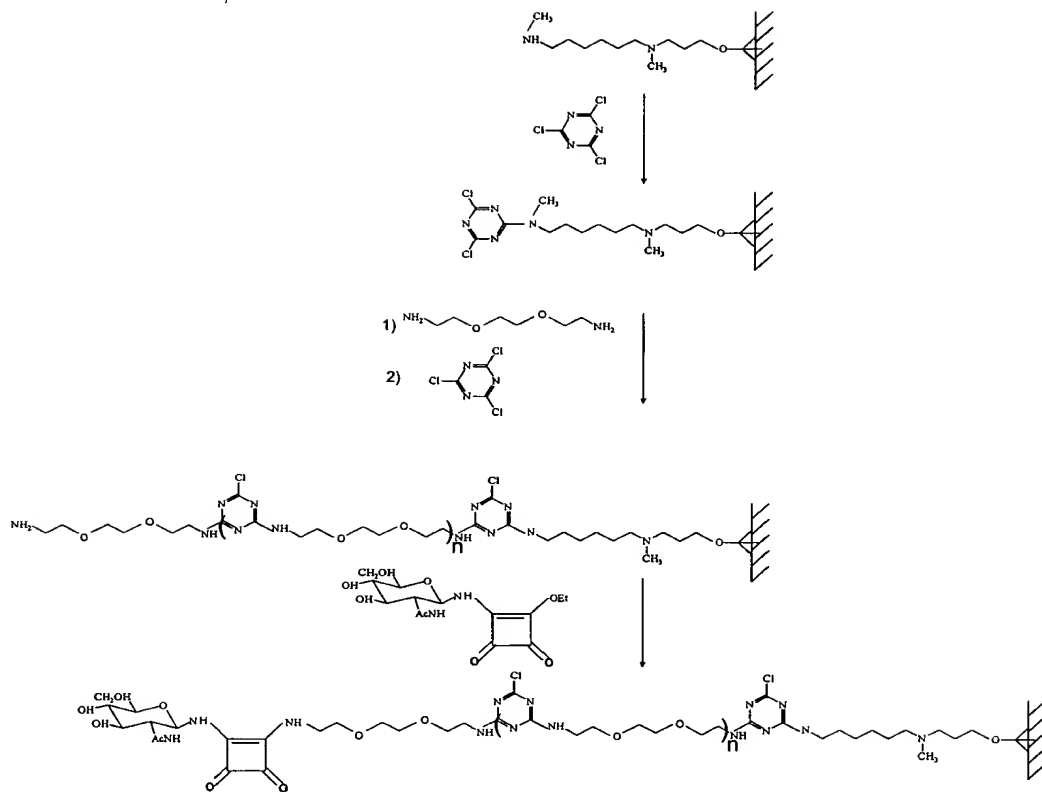


Figure 5b



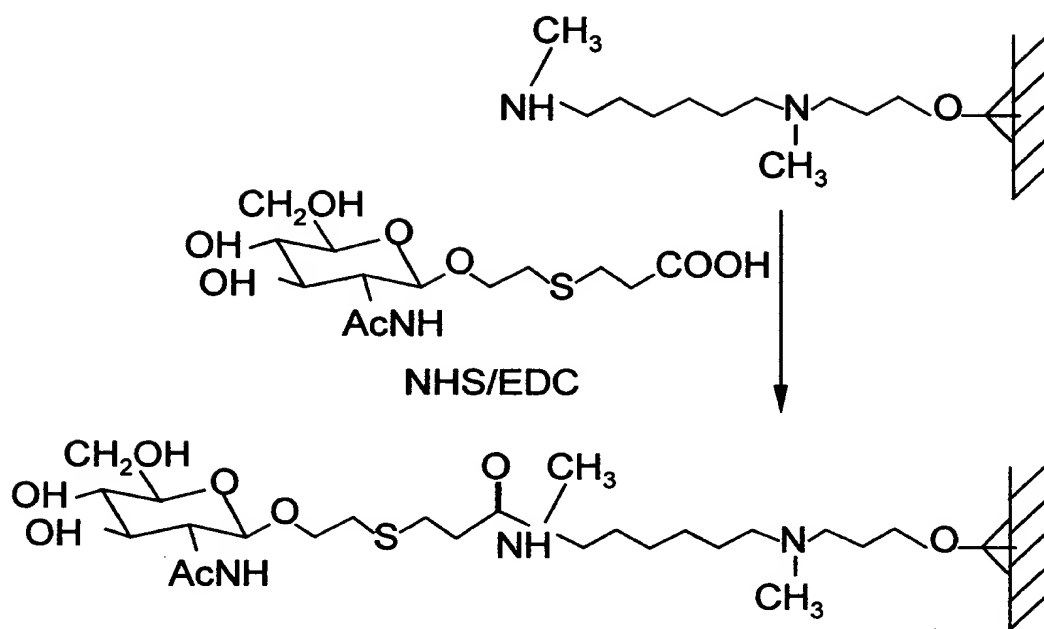


Fig. 6

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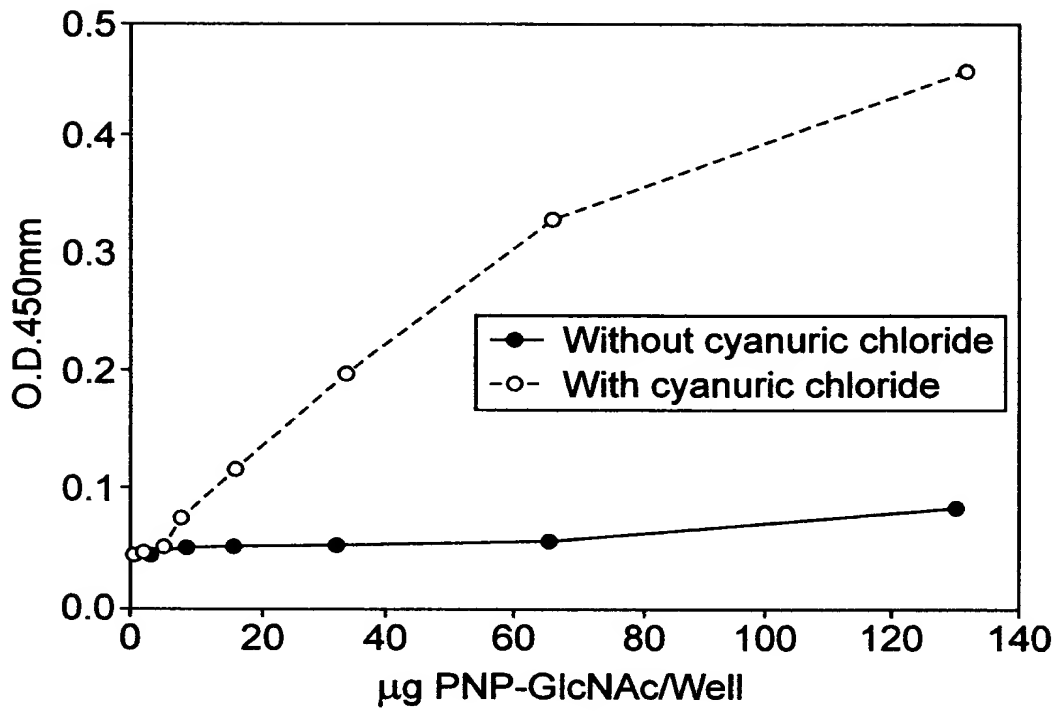


Fig. 7a

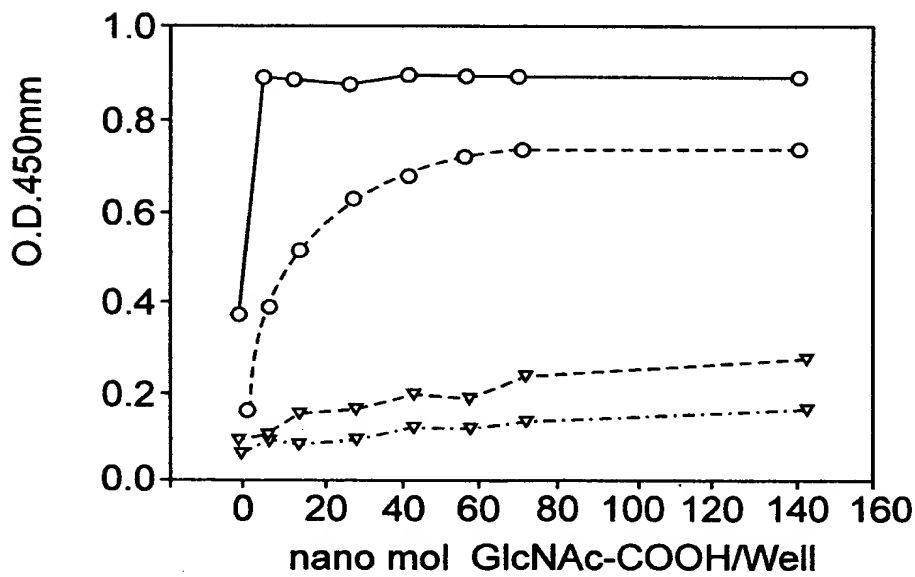


Fig. 7b

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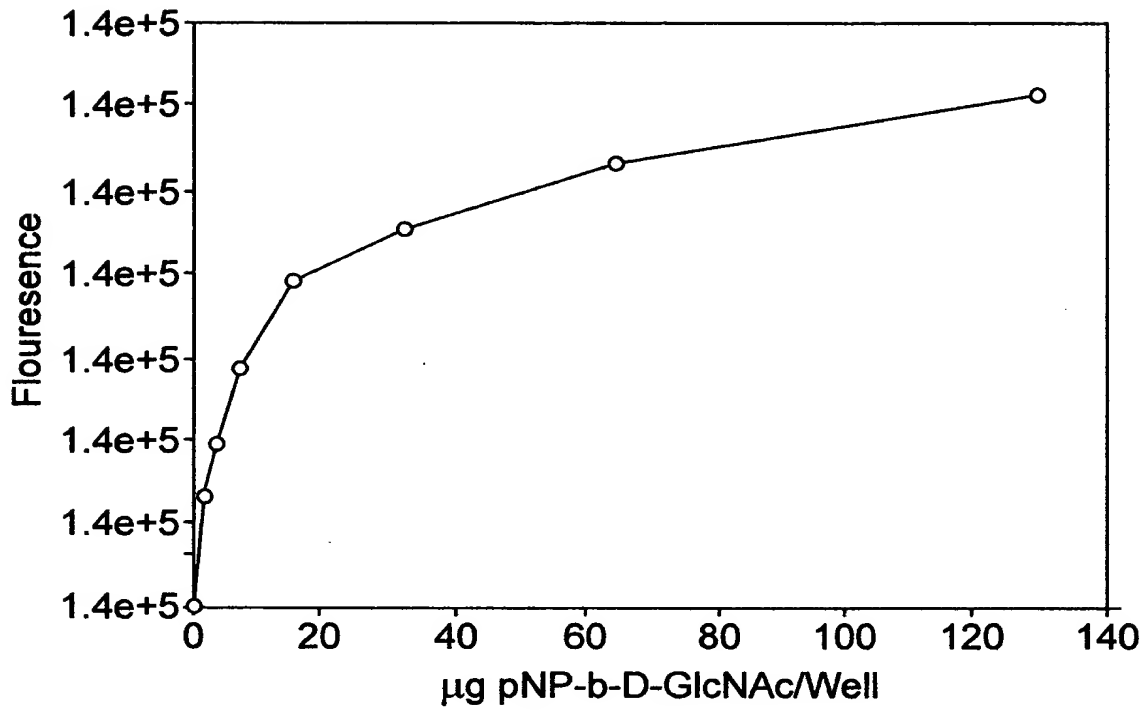


Fig. 7c

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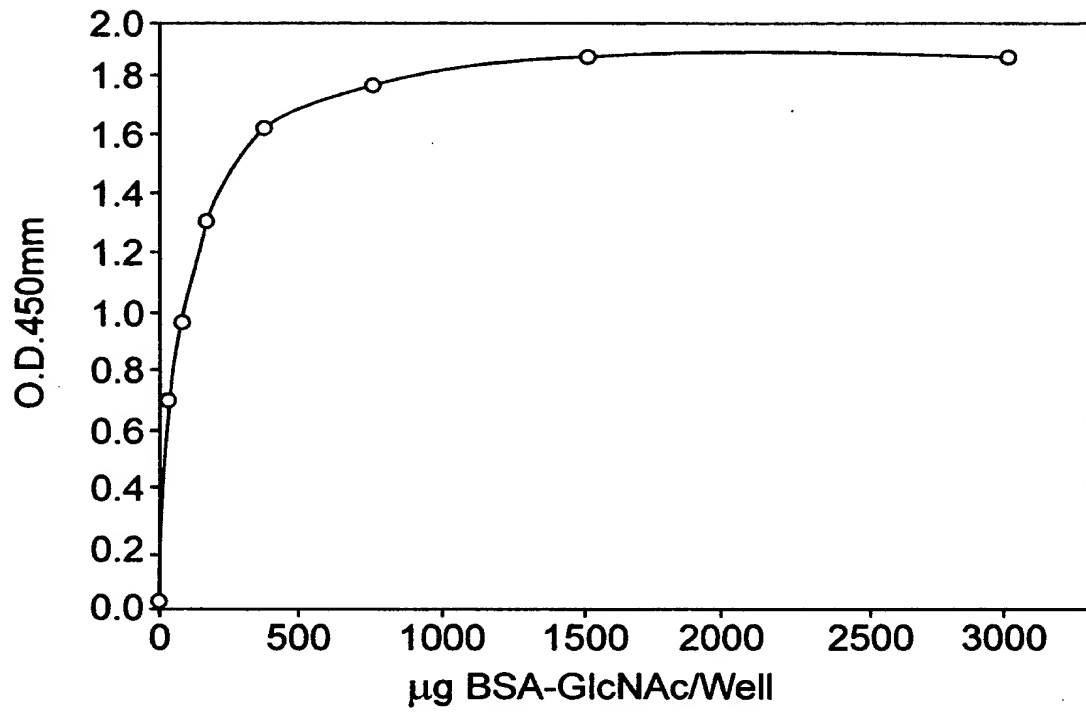


Fig. 8a

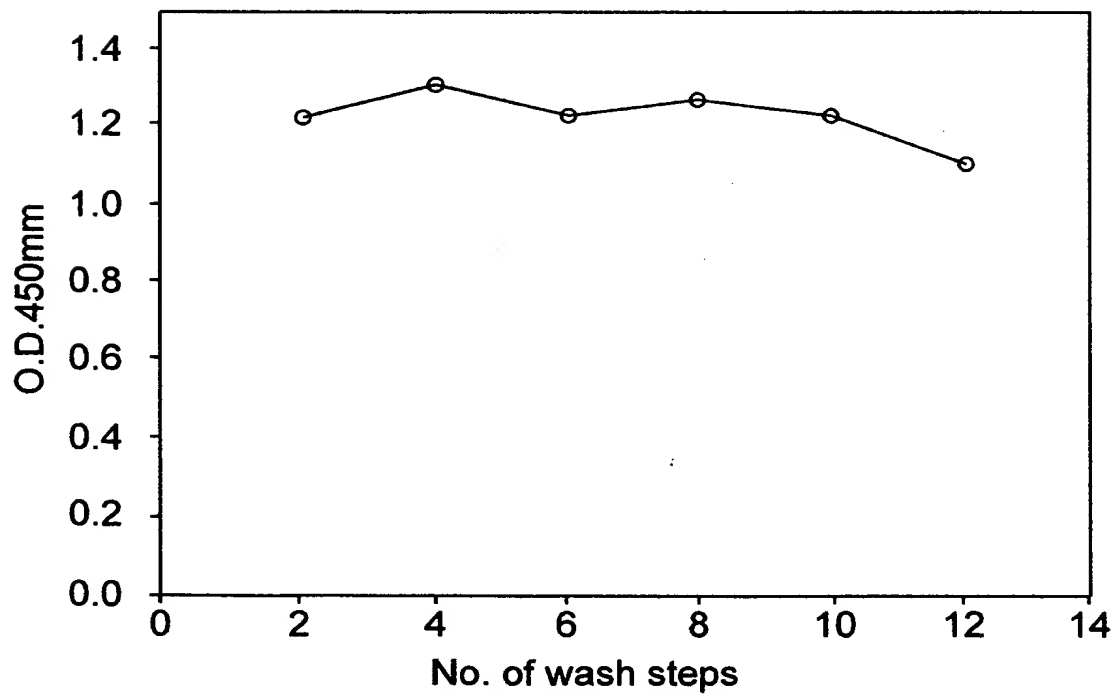


Fig. 8b



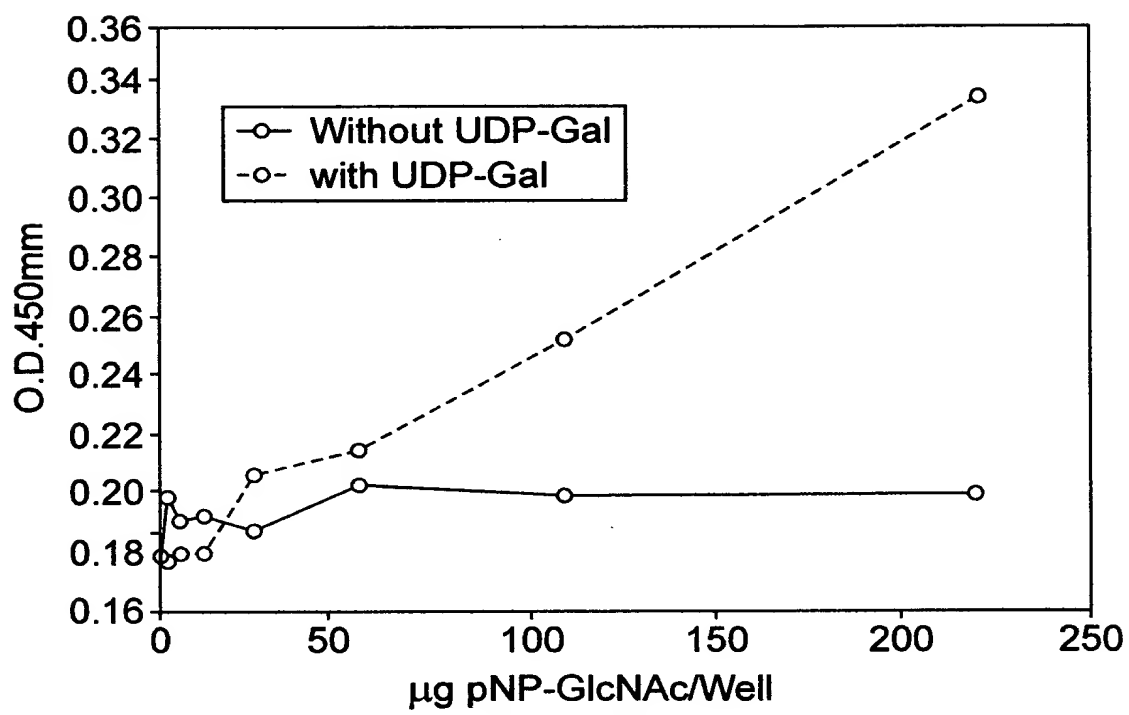
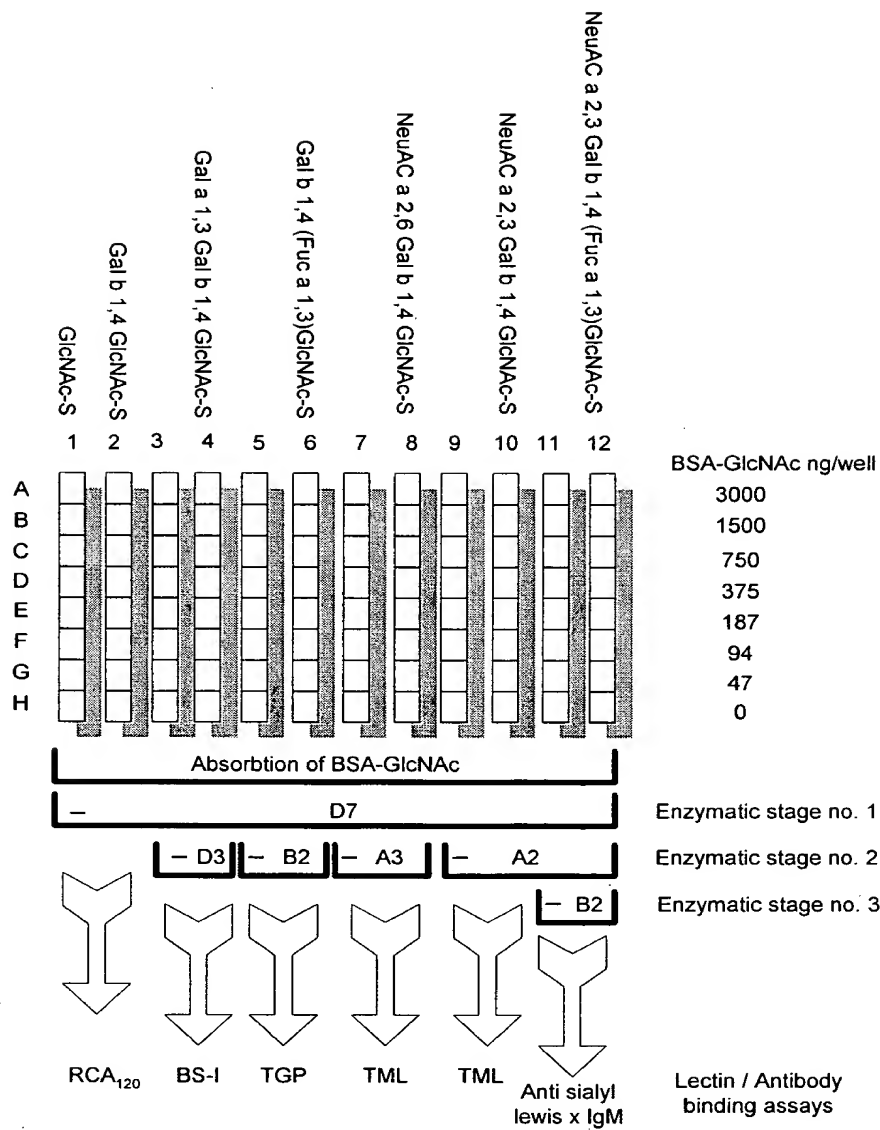


Fig. 8c

Figure 9



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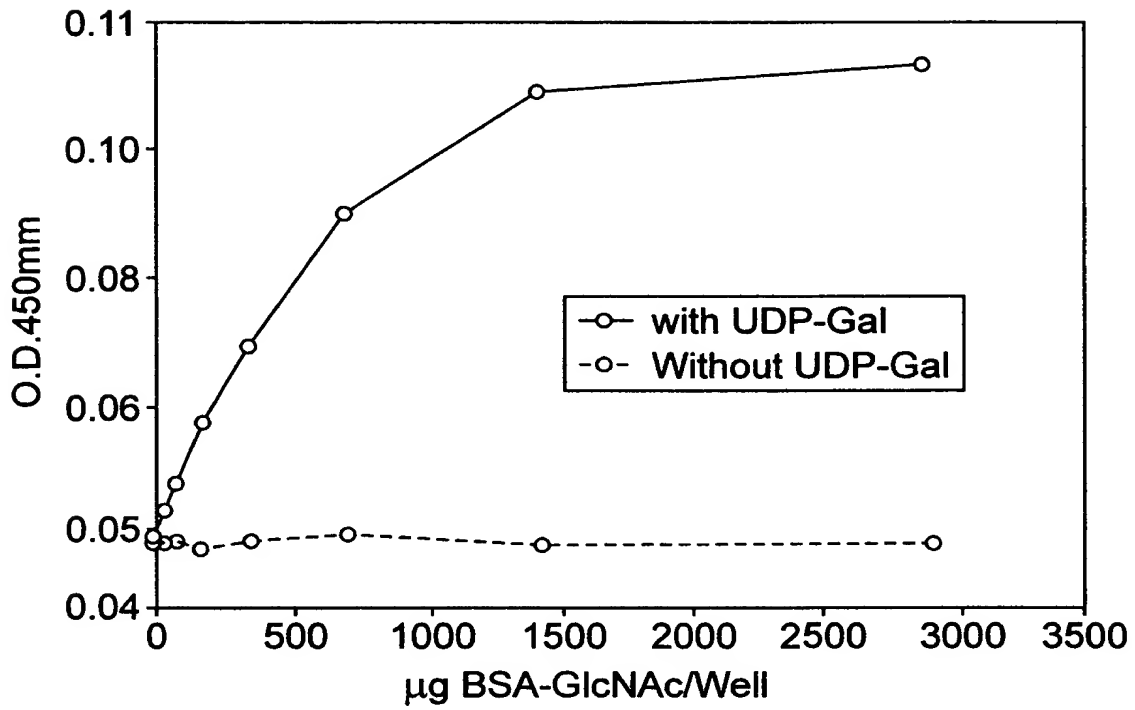


Fig. 10a

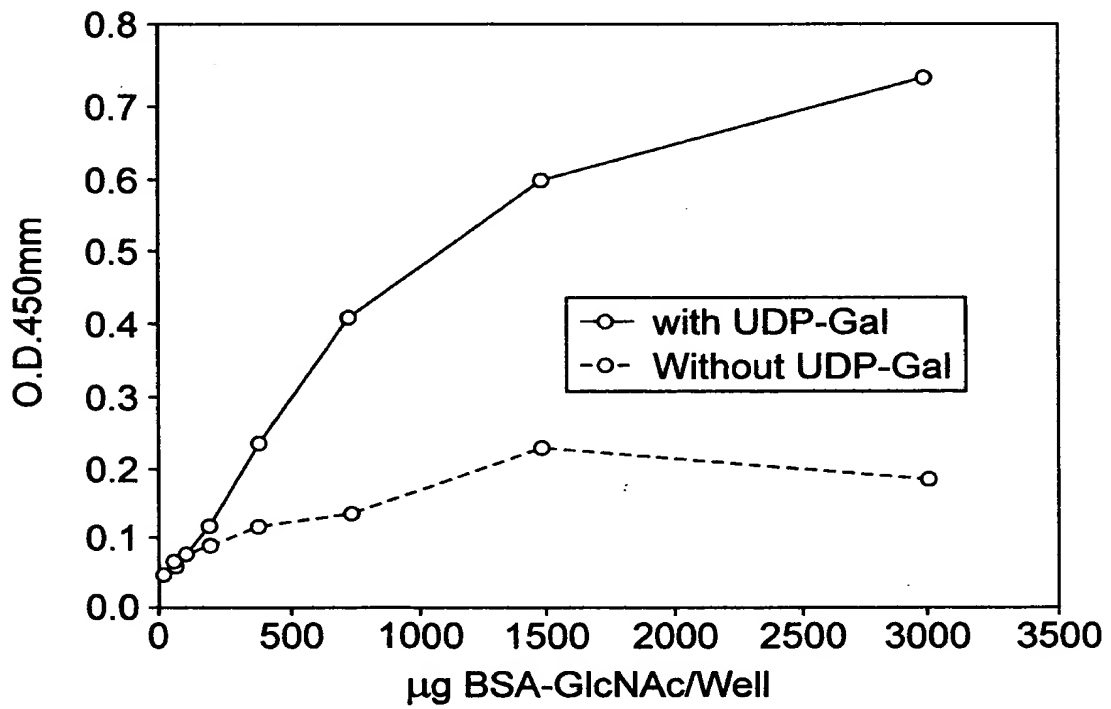


Fig. 10b

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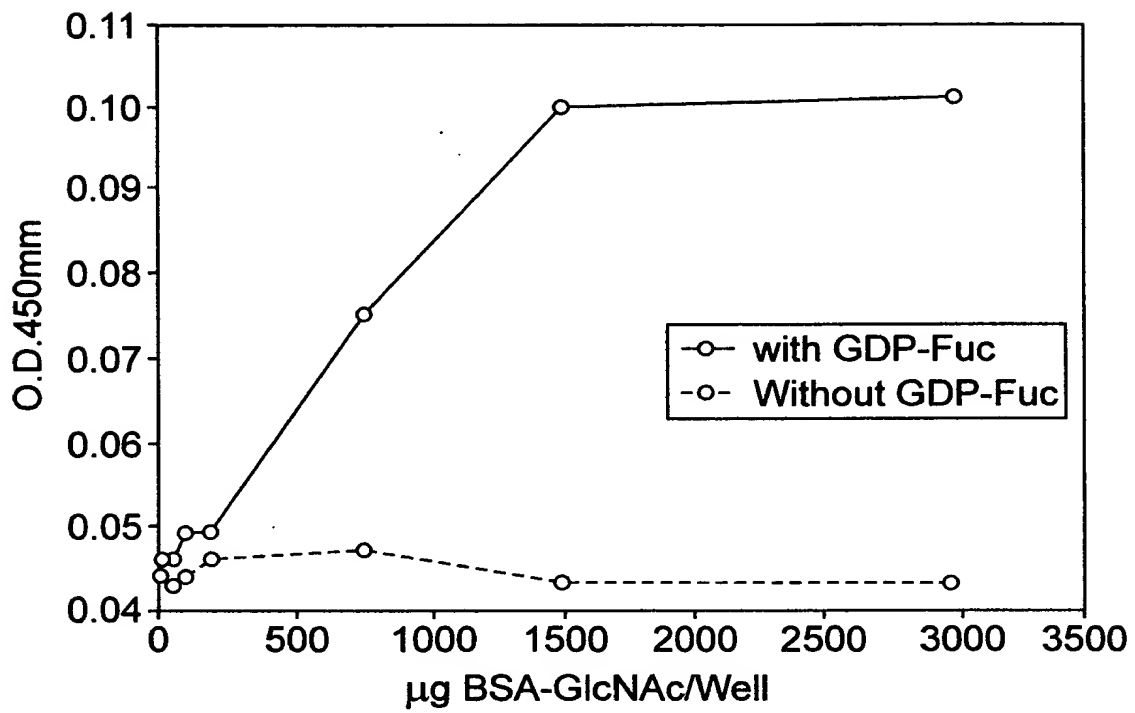


Fig. 10c

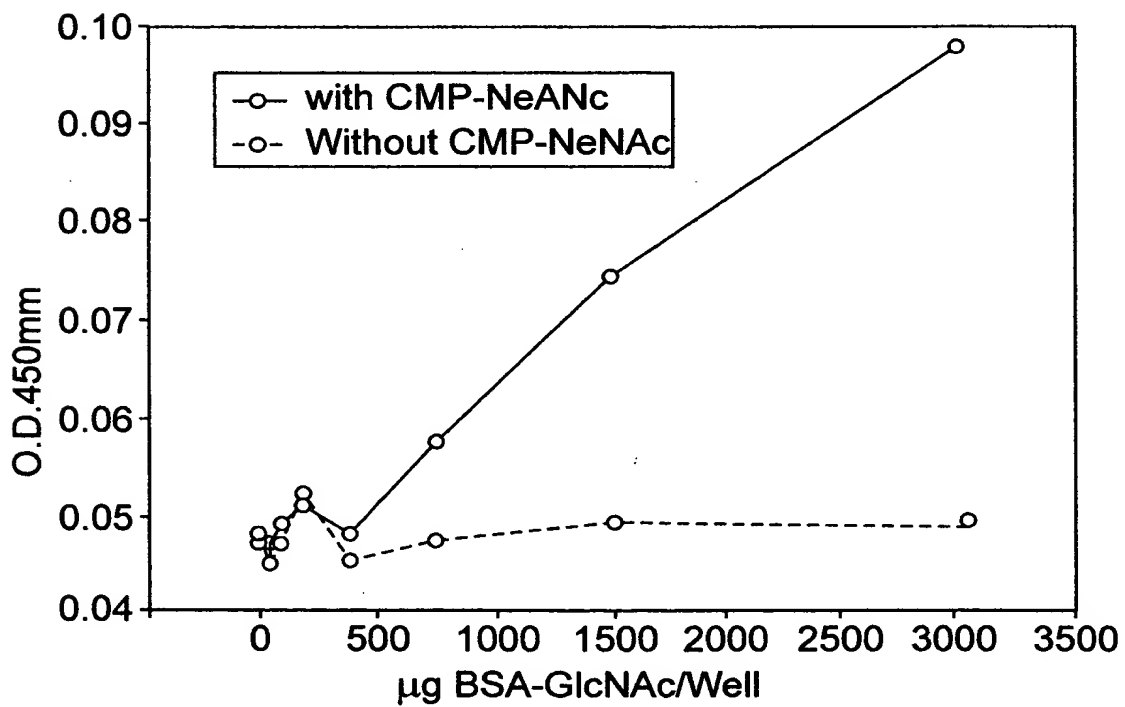


Fig. 10d

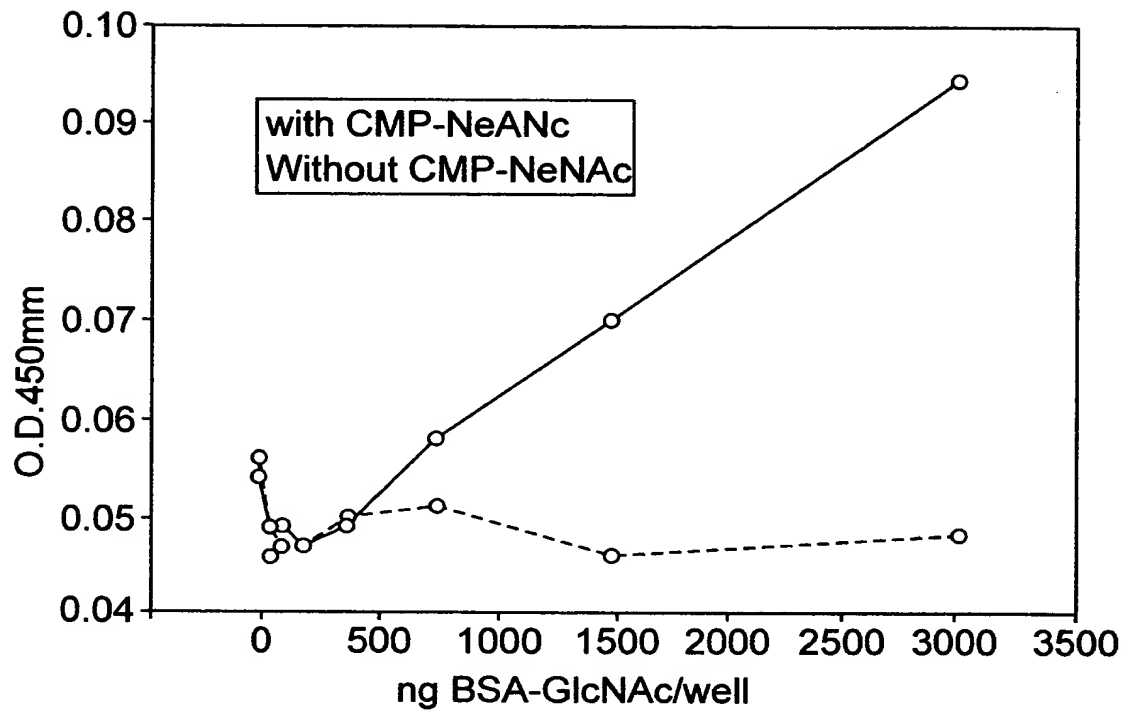


Fig. 10e

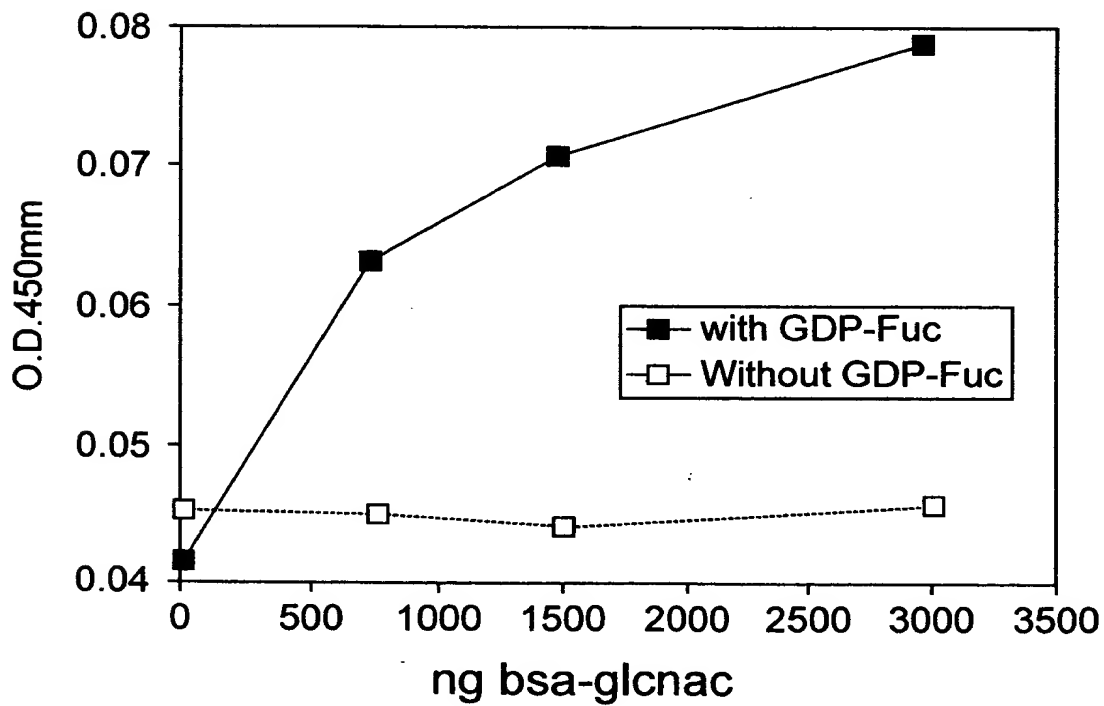


Fig. 10f

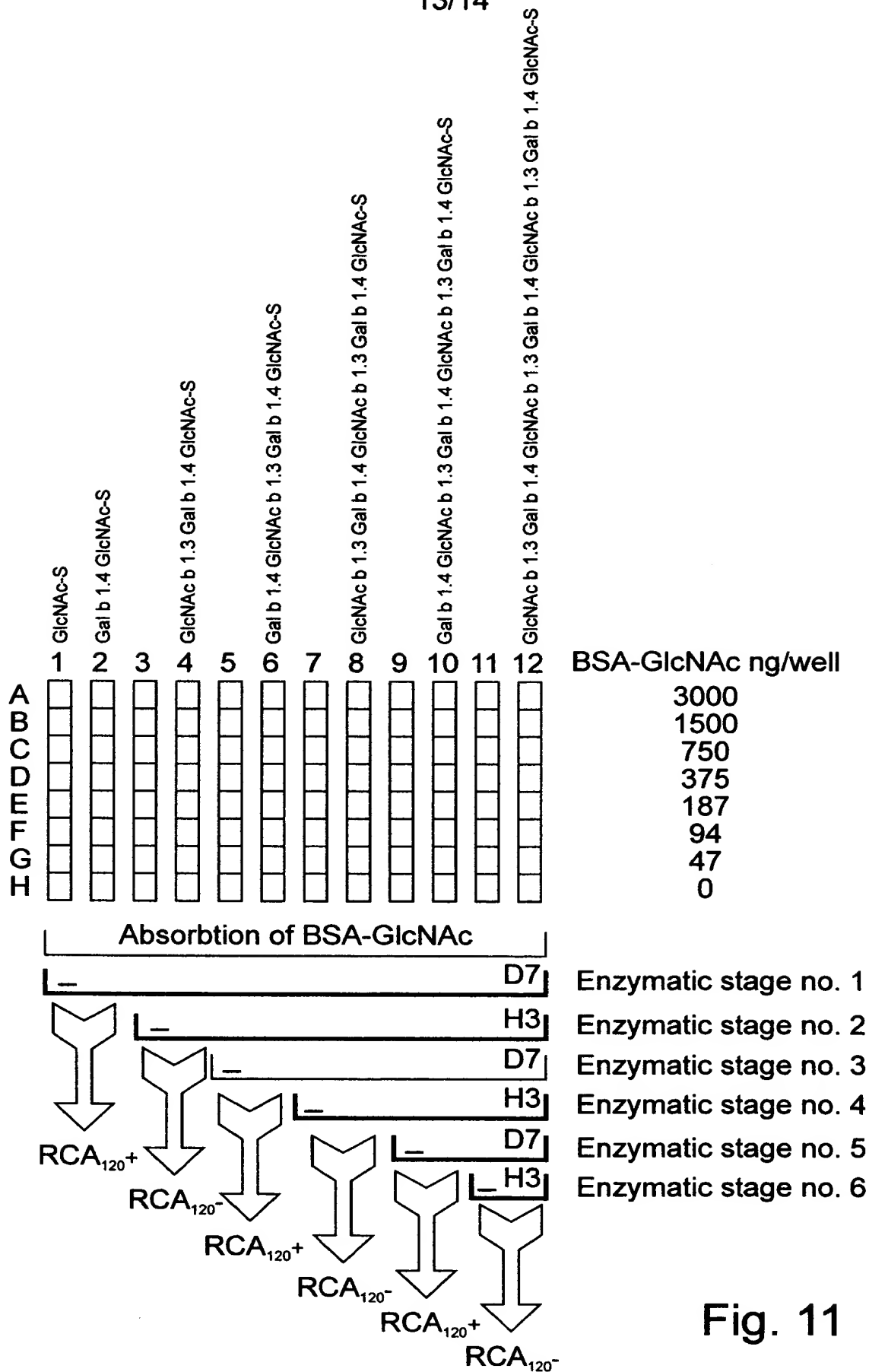


Fig. 11

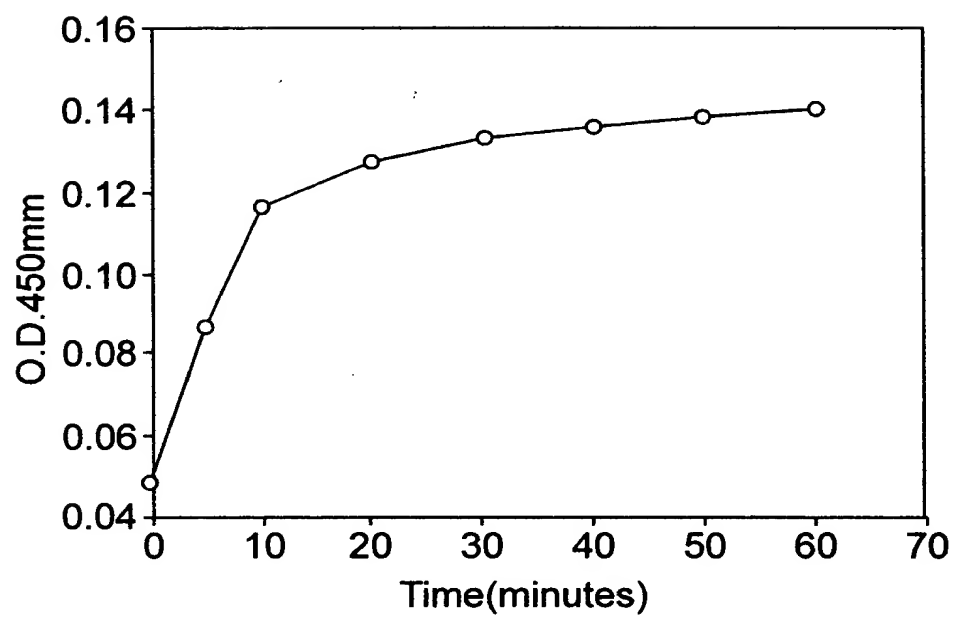


Fig. 12

FOR "63023260"

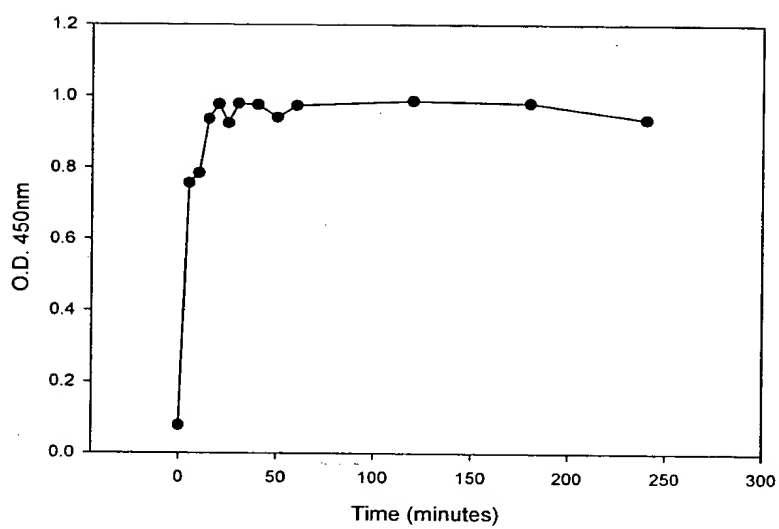


Fig. 13